

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-17 (Canceled)

18. (Currently Amended) A fabric interconnect for connecting a garment and at least one electronics enclosure having at least one conductive area on an outer surface, the fabric interconnect comprising:

one or more chambers for accommodating at least one electronics enclosure, at least one chamber having at least one substantially electrically conductive surface portion connected to one or more fabric electrodes in the garment and at least one substantially electrically non-conductive surface portion,

wherein at least one chamber is at least substantially seamlessly manufactured so that at least one conductive area of the

electronics enclosure and at least one conductive surface portion of the chamber accommodating the electronics enclosure can selectively make electrical contact to form an electrical interconnection between one or more fabric electrodes of the garment and the electronics of the electronics enclosure, wherein the electronics enclosure is positioned relative to the chamber via a force applied to the electronics enclosure and/or the chamber, and wherein the force applied to the electronics enclosure is a rotating force.

19. (Previously Presented) The fabric interconnect of claim 18, wherein at least one electronics enclosure is configured to be rotated within at least one accommodating chamber so as to bring a conductive area of the electronics enclosure and at least one conductive surface portion into electrical contact and thereby form an electrical interconnection between the electronics enclosure and one or more fabric electrodes of the garment.

Claim 20 (Canceled)

21. (Previously Presented) The fabric interconnect of claim 18, wherein the conductive and non-conductive surface portions are flexible.

22. (Previously Presented) The fabric interconnect of claim 18, wherein the conductive and non-conductive surface portions are elastic.

23. (Previously Presented) The fabric interconnect of claim 18, wherein the chamber has a tube-like shape.

Claims 24-25 (Canceled)

26. (Currently Amended) A fabric interconnect for connecting a garment and one or more electronics enclosures, the fabric interconnect comprising:

two or more substantially electrically conductive surface portions connected to one or more fabric electrodes in a garment, the conductive surface portions being separated from one another by at least one non-conductive surface portion disposed therebetween,

wherein the two or more conductive surfaces and at least one non-conductive surface are manufactured so as to form one or more chambers suitable for accommodating at least one electronics enclosure, the electronics enclosure having at least one conductive interface, and

wherein the two or more conductive surfaces electrically cooperate with the at least one conductive interface so that one two or more different functions may be accomplished depending on the relative position of the at least one conductive interface with respect to the conductive surfaces.

27. (Previously Presented) The fabric interconnect of claim 26, wherein the electronics enclosure is operatively associated with a monitor for monitoring biological conditions.

28. (Currently Amended) An electronics enclosure for use with a fabric interconnect in a garment, the electronics enclosure comprising:

a casing with one or more substantially electrically conductive interfaces; and

electronics operatively connected to at least one conductive interface,

wherein the electronics enclosure is configured to be removably inserted into a substantially seamless chamber of the fabric interconnect so that at least one conductive interface electrically cooperates with ~~one~~two or more conductive portions of the chamber to form an interconnection between one or more fabric electrodes of the garment and the electronics of the electronics enclosure, wherein two or more functionalities correspond to a position of the electronics enclosure relative to the two or more conductive portions of a chamber accommodating the electronics enclosure.

29. (Previously Presented) The electronics enclosure of claim 28, wherein the electronics enclosure has at least one indicator for indicating one or more electronics enclosure functionalities.

30. (Previously Presented) The electronics enclosure of claim 29, wherein one indicator is in the form of a display.

31. (Previously Presented) The electronics enclosure of claim 28, wherein the conductive interface includes a number of electrically conductive areas with a number electrically non-conductive areas adjacent thereto that separate the plurality of electrically conductive areas.

Claim 32 (Canceled)

33. (Currently Amended) The electronics enclosure of claim 31, wherein the two or more conductive portions of the chamber are connected to the one or more fabric electrodes, the conductive portions being spaced apart from one another with at least one non-conductive portion located therebetween.

Claim 34 (Canceled)